

## DAVANGERE SUB-DIVISION.

*Notification No. R.—1 C. 205 Rev.—26-27, dated 8th January 1927*

The Panchi Office of Malalihalli village, Harihar Kasaba Hobli, Harihar Sub-Taluk, having fallen vacant owing to the removal of the incumbent Patel Nagesha Rao, on account of his failure to join duty in spite of a notice served on him, it is hereby notified as per Government Order No. R. 791-801—L. R. 86-22-6, dated 30th July 1924, that Hakdars if any to the said office may appear before the Deputy Amildar, Harihar Sub-Taluk, within two years from this date and establish their claim to the office: failing which the Hak will be forfeited to Government.

S. ABDUL KHALAK,  
Sub-Division Officer.

## EXCISE DEPARTMENT

## TUMKUR DISTRICT.

*Notification dated 8th January 1927*

It is hereby notified that the Excise Shops noted in the following Schedule will be resold by public auction in the Taluk Office, Gubbi, at 11 A.M. on 31st January 1927, the successful bidders having failed to execute the Surety Bonds—subject to Condition II Clause 17, contained in the Sale Notification No. Fl. 4660—Ex. 50—24-18, dated 17th February 1926 of the Excise Commissioner in Mysore. The bidders may attend and obtain shops at the resale:—

## Schedule.

| No. | Furka shops        | Number of shops | Kind  | Shops rental | Remarks |
|-----|--------------------|-----------------|-------|--------------|---------|
|     |                    |                 |       |              |         |
|     |                    |                 |       | Rs. a. p.    |         |
| 1   | Kadaba             | 1               | Ganja | 21 0 0       |         |
| 2   | Mavinahalli        | 1               | Toddy | 60 0 0       |         |
| 3   | Chetanahalli Furka | 2               | Do    | 110 0 0      |         |
| 4   | Kallur             | 1               | Do    | 201 0 0      |         |

A. A. KHAN,  
Sub-Division Officer,  
Gubbi Sub-Division.

## UNIVERSITY OF MYSORE.

*Notification No. 11373, dated the 3rd January 1927.*

Ordinance 61 (page 25 of Calendar for 1926-27, Vol. I) has been amended as under:—

Add the following as proviso under the Ordinance:—

"Provided further that candidates appearing for the Master's Degree Examination of this University may, with the previous permission of the University Council, be allowed credit for attendance and work at any other Indian University recognised by this University, if at least one academical year has been spent in this University."

The Ordinance as amended will read as follows:—

61. A candidate for the Master's Degree Examination shall have pursued his studies under the supervision of University Professors under such rules as may be prescribed by the Council, for at least two years subsequent to his passing the B.A. or B.Sc. Degree Examination of any Indian University, provided that the subjects taken in the two courses are cognate in character. No candidate shall be admitted to the M.A. Degree unless he has taken the B.A. or B.Sc. Degree already.

Provided further that candidates appearing for the Master's Degree Examination of this University may, with the previous permission of the University Council, be allowed credit for attendance and work at any other Indian University recognised by this University, if at least one academical year has been spent in this University.

(G. O. No. E. 3473—Edn 75-26, dated the 29th December 1926.)

*Notification No. 11366, dated the 3rd January 1927.*

The exemption granted to the successful candidates at the examination in Part I of First M.B.B.S. of 1925-26, from attendance at lectures and examinations in Organic Chemistry in the First M.B.B.S. Examination, Part II (*vide* this Office Notification No. 1781, dated the 26th July 1926, published at page 746 of the *Mysore Gazette*, dated the 29th July 1926) is extended to successful candidates at the Examination in Part I of the First M.B.B.S. of 1924-25.

(G. O. No. E. 3458—Edn. 38-26-28, dated the 29th December 1926).

*Notification No. 11379 dated the 3rd January 1927.*

It is hereby notified that "Durbar-e-Akbari" (pages 320 to 410) has been substituted for "Ruh-ul- Ijtima", text-book in Hindustani, First Year B.A., 1926-27, under Degree Examination of 1929, published at page 63 of the University Calendar for 1926-27, Vol. II.

*Notification No. 11384 dated the 3rd January 1927.*

The following candidates have passed the B.T. Degree Examination held in September 1926 :—

|               | Register number. | Name.                                |
|---------------|------------------|--------------------------------------|
| First Class.  | Nil.             |                                      |
| Second Class. | Nil.             |                                      |
| Pass Class.   | 8                | Shankariah, Banagiri Gurumurthiah    |
|               | 14               | Lakshmanachar, Anur                  |
|               | 15               | Manjiah, Salagame Hebbar             |
|               | 16               | Suryanarayana, Gargeswari Varanasiah |
|               | 17               | Venkatesa Sastry, Ballapinni         |

The following candidates have failed in the Second Practical Examination for the B.T. Degree held in September 1926 :—

|    |                                             |
|----|---------------------------------------------|
| 3  | Rajagopaliengar, Sulakunte Rangaswamiengar. |
| 4  | Ramachandran, Magadi                        |
| 10 | Subbarayappa, Rudrapatna Kallikote          |
| 11 | Anantakesava Rao, Kikkeri                   |
| 12 | Doraiswamy, Kaliyur Venkataramana Iyer      |
| 13 | Krishnaswamy, Budagur                       |

*Notification No. 11369, dated the 3rd January 1927.*

I. The following Course of Study (General) for the B.E. Degree in Electrical Engineering has been substituted for the one published on page 30 of the University Calendar for 1926-27 (Vol. I) under Ordinance 57 :—

- Lectures :**
1. Pure Mathematics
  2. Applied Mathematics
  3. Hydraulics and Hydraulic Machinery
  4. Mechanical Engineering
  5. Applied Mechanics and Graphic Statics
  6. Electrical Engineering Course (I)
  7. Electrical Engineering Course (II)
  8. Electrical Engineering Course (III)
  9. Economics

- Practical Work :**
1. Drawing Design and Estimating.
  2. Workshop Practice
    - Machine Shop
    - Testing Machine
    - Fuel and Lubricating Oil Laboratory
    - Power Plant
  3. Electrical Laboratory

II. The following revised syllabus of studies for the B. E. Degree in Electrical Engineering has been substituted for the one published on pages 157-159 of the University Calendar for 1926-27, Vol. I and the scheme of examination therefor added :—

## SYLLABUS OF STUDIES FOR THE ELECTRICAL ENGINEERING DEGREE COURSE.

1. The subjects to be taught for the Electrical Engineers in the 3rd and 4th year courses will be as follows :—

- Lectures :**
1. Pure Mathematics
  2. Applied Mathematics
  3. Hydraulics and Hydraulic Machinery
  4. Mechanical Engineering
  5. Applied Mechanics and Graphic Statics
  6. Electrical Engineering Course (I)
  7. Electrical Engineering Course (II)
  8. Electrical Engineering Course (III)
  9. Economics

- Practical Work:**
1. Drawing Design and Estimating.
  2. Workshop Practice
    - ( Machine Shop
    - ( Testing Machine
    - ( Fuel and Lubricating Oil Laboratory
    - ( Power Plant
  3. Electrical Laboratory

2. Of the lectures, Pure Mathematics and Applied Mathematics would be common subjects for all Engineers. Hydraulics and Hydraulic Machinery and Applied Mechanics and Graphic Statics would be treated commonly with the Mechanical Engineers.

The Electrical Engineering Courses would briefly be summarised as follows —

**Course (1)**—Electro-static, Magnetic and Electro-Dynamic Units, and their measurements. Properties of insulating and conducting materials.

Ohm's Law, Saturation, Induction, Simple and Compound Circuits, involving Resistance, Reactance and Impedance, and their properties.

Different systems of Electric Distribution Circuits:—

Series, parallel, 3 wire and Polyphase systems; Vector Representation of Alternating Currents; Power Measurements in the various systems.

**Course (2)**—Theory of Electro-Magnetic Machines, and their main constructional features, and operating characteristics:—

Transformers, A. C. and D. C. Generators, A. C. and D. C. Motors, Converters, Rectifiers, Lamps, Telephones, etc.

**Course (3)**—General Study of complete Electrical systems:—

Prime-mover characteristics, Parallel running and Regulation, Switch and control Gear, Transmission and Distribution systems, Protective Apparatus, etc.

2. The Design Drawing and Estimating work in the drawing office will consist of two courses as follows:—

1st Course:—Design of Simple Machine Elements.

2nd Course:—Design of Complete Electrical Machines, like Transformers, Generators, Converters, etc.

The Electrical Laboratory Course will consist of measurements of the various electrical units and standardizing of measuring instruments; the operating characteristics of various types of Electrical Machines, such as Transformers, A. C. and D. C. Generators, Converters, etc., will also be determined by accurate experiments.

Like the other Courses, the Electrical Engineering Course will also include inspection trips, report writings, and special classes, where students will be asked to work out problems and explain them to the rest of the class.

4. Mechanical Engineering:—

**General**—Strength, properties and Testing of Materials used in Machine Construction.

**Friction**—Friction in sliding and turning pairs. Friction in pivots, brakes and Dynamometers.

**Lubricants**—Classes of lubricants—mineral, vegetable and animal sources. Qualities and properties of lubricants. Testing of lubricants. Types of lubricators. Design of bearing.

**Transmission of Power**—Toothed gear, Belts, Ropes and Shafts.

**Heat Engines.**—

**Fuels.**—Types of fuel—Solid, liquid and gaseous. Their advantages and disadvantages. Carbonisation of coal and manufacture of coke.

**Thermodynamics**—The laws of Thermodynamics, cycles of perfect gases and vapours.

**Boilers**—Types and principle of working of different kinds of boilers.

**Steam and Steam Engine**—Properties of saturated and super-heated vapours. Theory and working of simple, compound, triple and multiple expansion engines.

**Steam Turbines**—Theory and operation of Reaction and Impulse Turbines.

**Internal Combustion Engines**—Theory and principles of operation, Manufacture of Gas.

**Dynamics of Engines**—Crank effort and Crank effort Diagrams; Governors, Fly-wheels.

**Hydraulics**—As for Civil Engineering Section.

**Hydraulic Machinery**—Power Generation—water wheels and Turbines. Theory and Principles of Operation of pumps—force, lift and Centrifugal pumps. Principles of working of Hydraulic Motors, accumulators, Cranes, Presses and Reverter.

## SCHEME OF EXAMINATION FOR ELECTRICAL ENGINEERING.

| Number of papers | Particulars                                                                                                                                  | Paper | Oral and Practical | Record |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------|--------|
| 4                | Common { Integral and Differential Calculus ...<br>Statics, Dynamics, and Hydrostatics ...<br>Applied Mechanics ...<br>Graphic Statics ... } | 280   | ..                 | 70     |
| 5                | Hydraulics and Hydraulic Machinery ...                                                                                                       | 100   | ...                | 30     |
| 6                | Mechanical Engineering ...                                                                                                                   | 100   | ...                | 25     |
| 7                | Electrical Engineering ...                                                                                                                   | 250   | ...                | 100    |
| 8                |                                                                                                                                              |       |                    |        |
| 9                |                                                                                                                                              |       |                    |        |
| 10               | Drawing ...                                                                                                                                  | 100   | ...                | 100    |
| 11               | Estimating, Specifications and Engineering Economics.                                                                                        | 100   | ...                | 30 25* |
| 12               | Workshop and Mechanical Laboratory...                                                                                                        | ...   | 70                 | 60     |
| 13               | Electrical Laboratory ...                                                                                                                    | ...   | 80                 | 80     |
| Total ...        |                                                                                                                                              | 930   | 150                | 520    |
|                  |                                                                                                                                              |       |                    | 1600   |

11 Papers.

\*1 Essay Paper.

12 Papers (Theory) and 2 Practical.

(G. O. No. E. 3394—Edn. 76-26-9, dated the 23rd December 1926).

Notification No. 11529, dated the 6th January 1927.

The footnote under Ordinance 98 (page 48 of Calendar, Vol. I for 1926-27) has been amended as under :—

Substitute the word "ten" for the word "five" in line 3.

The footnote when amended will read as follows :—

"Students belonging to the Depressed Classes shall be exempted from payment of application fees in respect of examination for the University for a period of ten years from 1922".

—(Government Order No E. 3489-90—Edn. 52-26-6, dated the 23rd December 1926)

B. M. SRIKANTIA,  
Registrar.

## EDUCATION DEPARTMENT.

OFFICE OF THE INSPECTOR-GENERAL OF EDUCATION IN MYSORE,  
BANGALORE.

## MYSORE LOCAL EXAMINATIONS.

Notification D. No. 68, dated 30th December 1926.

The following revised syllabuses in Mathematics and Physics and Chemistry for the Vernacular Upper Secondary Examination are issued in modification of the syllabuses in these subjects published in Notification D. No. 43, dated the 15th October 1924. The Upper Secondary Examination of 1928 will be conducted according to the revised syllabuses.

I. REVISED SYLLABUSES IN MATHEMATICS FOR VERNACULAR UPPER  
SECONDARY EXAMINATION.

(1) Arithmetic.

The first four rules: Contracted methods of multiplication and division; Factors; G. C. M. and L. C. M.; Relation between G. C. M. and L. C. M.

Fractions: Vulgar and Decimal; Recurring and non-recurring decimals; Conversion of vulgar fractions into decimals and *vice versa*; Addition, subtraction, multiplication and division of fractions; Problems involving fractions; Approximations to three places of decimals.